Instruction for use IR sound system

1. Introduction
CONGRATULATION! You have just bought a most sophisticated stereo Infra Red (IR) sound system. This system gives you complete freedom to enjoy your music, without the inconvenience and limitations of headphone cables. To ensure the best performance of your stereo IR system, please read this document carefully.

2. Features
- Transmits the stereo audio signal from your audio or video source to your IR headphone without wires.
- Uses high-frequency IR rays to carry audio signal, ensuring clear, sharp reception.
- Automatic Level Control (ALC) prevents overloading of the transmitter over a wide level of input signal.
- Mute function to suppress excessive noise when there is no input signal.
- Rechargeable batteries for powering the headphones.

3. What is included
In this set the following components are included :
1. IR stereo transmitter
2. IR stereo headphone
3. AC/DC adaptor
4. HiFi audio cable
5. Recharge cable
6. Rechargeable batteries
7. 3.5-6.3 mm stereo adaptor
8. Instructions for use

4. Explanation of controls
On the IR stereo transmitter (see figure 1)
1. IR transmitting LEDs, to transmit audio signal to IR headphone.
2. DC input connector, to power the IR transmitter.
3. Recharge power output, to charge the batteries of IR headphone
4. Input 'B' 3.5 mm jack connector, for input of audio signal.
5. Input 'A' cinch connector, for input of audio signal.

On the IR stereo headphone receiver (see figure 1)
6. Power on/off switch.
7. Power on/off LED indicator.
8. Volume control.
9. Recharge cable input, to recharge the batteries of the IR headphone.
10. Charge on/off indicator

5. Installation
1. Connect the stereo audio signal to the IR transmitter with the HiFi cable, as shown in Figure 2.
2. Insert the DC connector of the AC/DC adaptor into the 12V DC input connector on the rear of the IR transmitter, as shown in figure 2.
3. Ensure that the rated voltage of the AC/DC adaptor is the same as the mains voltage before plugging it into the mains power wall outlet.
4. Insert two rechargeable batteries (R6. AA) into the battery compartments as shown in figure 3, ensuring that the polarity is correct.
5. **Note :** Before using the IR headphone for the first time, please ensure that batteries are fully charged (for 16 hours). This will guarantee a longer operating lifetime of the batteries.

6. Operation
1. Switch on the IR transmitter and place it at the same height or slightly higher than the reception height of the IR headphone.
2. Position the LEDs towards the listening area, ensuring that there are no obstacles in between.
3. Switch the IR headphone on.
4. Set the volume control to maximum on the IR headphone.
5. While listening to your IR headhone, adjust the volume of the signal source to the headphone's maximum acceptable sound level.
6. Adjust volume control of the IR stereo headphone to a comfortable listening level.

7. Recharging
1. Switch off the power of the headphone before charging.
2. **Note :** Before using the IR headphone for the first time, please ensure that the batteries are fully charged (for 16 hours). This will guarantee a longer operating lifetime of the batteries.
3. Connect the recharge input on the headphone with the charge output on the transmitter via the recharge cable, see figure 4.
4. The charge indication LED on the headphone will start blinking to indicate that the batteries are charging (slow blinking _ almost fully charged).
5. When the batteries are fully charged, the charge indication LED will light continuously.

8. Positioning of IR transmitter
1. Place the IR transmitter unit so that the IR window approximately faces the centre of your listening area, see figure 5.
2. Because IR light travels in a straight line, place the IR transmitter at the same height, or slightly higher than the reception height of the IR headphone.
3. High IR light content such as sunlight and bright incandescent indoor lighting may degrade the audio signal and cause interference. If you experience such problems, simply move the system to a darker area.

9. Specifications

System	: Infra Red (IR)
Carrier frequency	: Left channel 2.3 MHz Right channel 2.8 MHz
Modulation	: FM
Input level	: 150 mV
Power supply transmitter	: 200 mA. 12V DC
Power supply headphone	: 2 x R6 (AA) batteries
Frequency range	: 12 - 24.000 Hz
S/N ratio	: ≥ 60 dB
Distortion	: ≤ 0.5% THD
Channel separation	: ≥ 50 dB

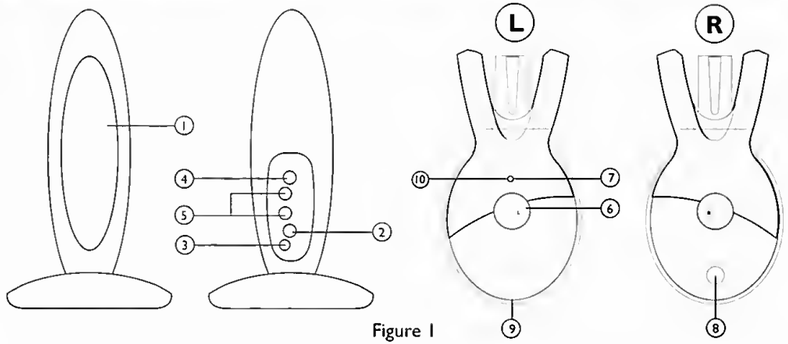


Figure 1

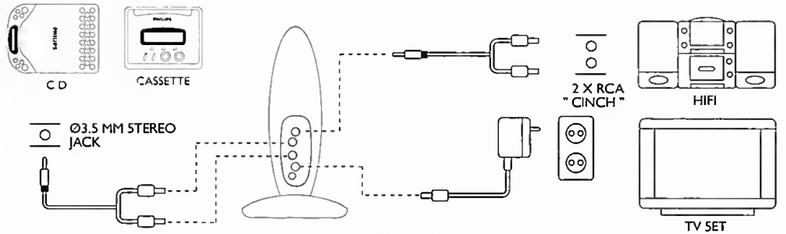


Figure 2

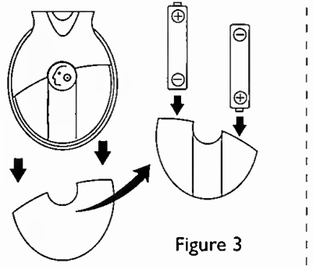


Figure 3

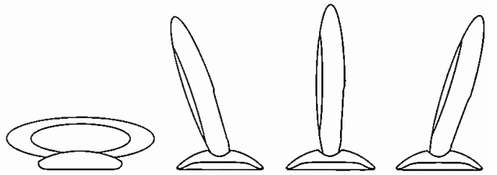


Figure 6

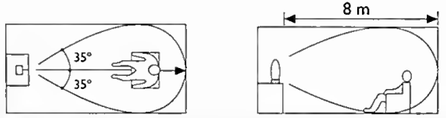


Figure 5

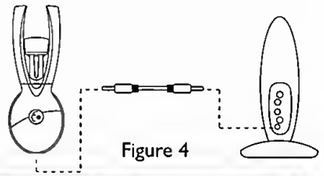
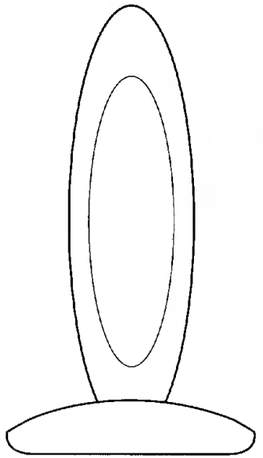


Figure 4

PHILIPS

Instructions for use
Mode d'emploi
Gebrauchsanleitung
Gebruiksaanwijzing
Instruzioni d'uso
Instrucciones
Modo de emprego
Bruksanvisning
使用説明書
한국어



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SBC HC520